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TJM/ik(jam) March 16, 2004

PATENT APPLICATION DOCKET NO.: 3558.1003-008

## IN THE UNITED STATES PARE RADEMARK OFFICE

Δ	nn	10	ant:

Dino J. Farina

Application No.:

10/666,916

Group: 2621

Filed:

September 19, 2003

Examiner: Not Assigned

Confirmation No.:

6481

For:

SPRAY DATA ANALYSIS AND CHARACTERIZATION SYSTEM

## CERTIFICATE OF MAILING OR TRANSMISSION I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on: Typed or printed name of person signing certificate

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:	
This S	upplemental Information Disclosure Statement is submitted: under 37 CFR 1.129(a), or (First/Second submission after Final Rejection)
[ X ]	under 37 CFR 1.97(b), or (Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
]	under 37 CFR 1.97(c) together with either:
	[ ] a Statement under 37 CFR 1.97(e), as checked below, or
	[ ] a \$180.00 fee under 37 CFR 1.17(p), or (After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
[ ]	under 37 CFR 1.97(d) together with:
	[ ] a Statement under 37 CFR 1.97(e), as checked below, and
	[ ] a \$180.00 fee under 37 CFR 1.17(p), or (Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
[ ]	under 37 CFR 1.97(i): Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper. (Filed after payment of issue fee)

State	ment Un	<u>der 37 (</u>	CFR 1.97(e)
[ ]	any co	mmunio	nformation contained in this Information Disclosure Statement was first cited in cation from a foreign patent office in a counterpart foreign application not more on the filing of this Information Disclosure Statement; or
[ ]	comm knowl in the	unication edge of information in the contraction in	formation contained in this Information Disclosure Statement was cited in a on from a foreign patent office in a counterpart foreign application, and, to the the undersigned, after making reasonable inquiry, no item of information contained tion disclosure statement was known to any individual designated in 37 CFR than three months prior to the filing of this Information Disclosure Statement.
State	ement Un	der 37 (	(Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000
[ ]	comm was no	unication ot receive	nformation contained in the Information Disclosure Statement was cited in a on from a foreign patent office in a counterpart application and this communication yed by any individual designated in § 1.56(c) more than thirty days prior to the aformation Disclosure Statement.
[ X ]	Enclos	sed here	with is form PTO-1449:
	[X]	Copies	s of the cited references (AG-AK, AA2-AC2 and AV-AX) are enclosed.
		[ ]	Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
	[ ]	Applic	s of the cited references are enclosed except those entered in prior application, U.S. cation No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier ation contains copies of the cited references.]
	[ ]	The lis	sted references were cited in the enclosed International Search Report in a erpart foreign application.
	[ ]	The "c	concise explanation" requirement (non-English references) for reference(s) [ 37 CFR 1.98(a)(3) is satisfied by:
		[ ]	the explanation provided on the attached sheet.
		[ ]	the explanation provided in the Specification.
		[ ]	submission of the enclosed International Search Report.
		[]	submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
		ſ ì	the enclosed English language abstract.

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[ ]	Appli	cant requests that the following r	on-published pending applic	cations be considered:
Examiner Initials	's			
	_	U.S. Patent Application No. [	], by [inventor(s)], filed [	], Docket No.: [ ]
	_	U.S. Patent Application No. [	], by [inventor(s)], filed [	], Docket No.: [ ]
	_	U.S. Patent Application No. [	], by [inventor(s)], filed [	], Docket No.: [ ]
		Examiner	Date	_
	[ ]	A copy of each above-cited app	plication, including the curre	nt claims, is enclosed.
	[ ]	A copy of each above-cited app those entered in prior application 35 U.S.C. 120 is claimed.	plication, including the curre on, U.S. Application No. [	nt claims, is enclosed, except ], to which priority under
The Frefere	Examine ences we	r is requested to return a copy of ere considered with the next offic	the above list of pending ap	plications indicating which
It is r	equested	d that the information disclosed h	nerein be made of record in t	his application.
Meth	od of pa	yment:		
[ ]		ck for the fee noted above is enc apanying Reply. A copy of this S		cluded in the check with the
[ ]	Please	e charge Deposit Account 08-038 sed.	30 in the amount of \$[	l. A copy of this Statement is
[X]	Please	e charge any deficiency in fees ar	nd credit any overpayment to	Deposit Account 08-0380.
		I	Respectfully submitted,	
		1	HAMILTON, BROOK, SMI	TH & REYNOLDS, P.C.
		1	Timothy J. Meagher/ Registration No.: 39,302 Telephone: (978) 341-0036 Facsimile: (978) 341-0136	

Concord, MA 01742-9133 Dated: 3 | 16 | 04

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 3558.1003-008	· · · · · · · · · · · · · · · · · · ·			
SUPPLEMENTAL INFOR CITAT IN AN APPL	FIRST NAMED INVENTOR Dino J. Farina	FILING DATE Sept. 19, 2003		003	
March 10 (Use several shee	MAR '	EXAMINER Not Assigned	CONFI 6481	RMATION NO.	GROUP 2621
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	<del></del>	U.S.	PATENT DOCUMENTS	
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AG	5,075,014	12/24/1991	Sullivan
	АН	6,508,112 B1	01/21/2003	Verhoeven
	AI	4,357,670	11/02/1982	McFarlane
	AJ	4,614,300	09/30/1986	Falcoff
i	AK	4,992,952	02/12/1991	Sasaki
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	AC2	6,256,597 B1	07/03/2001	Wang et al.
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EXAMINER	DATE CONSIDERED

PTO-1449 REPRODUCED  SUPPLEMENTAL INFORMATION DISCLOSURE	ATTORNEY DOCKET NO. 3558.1003-008		APPLICATION NO. 10/666,916	
CITATION IN AN APPLICATION	FIRST NAMED INVENTOR Dino J. Farina		FILING DATE Sept. 19, 2003	
March 16, 2004 (Use several sheets if necessary)	EXAMINER Not Assigned	CONFI 6481	RMATION NO.	GROUP 2621

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
AV	Sellens, Rick and Deljouravesh, Rama, "Non-Orthogonal Optical Spray Pattern Analysis," Ninth International Symposium on Applications of Laser Techniques to Fluid Mechanics, Lisbon, Portugal, July 1998.			
AW	Sankar, S.V., et al., "Time-Resolved Measurement of Liquid Mass Distribution in a Fuel Injector Spray Using an Optical Patternator," <i>Institute for Liquid Atomization and Spray Systems, ILASS Americas</i> '97, pp. 266-270, Ottawa, ON, Canada, May 18-21, 1997.			
AX	Wang, G., et al., "An Optical Spray Pattern Analyzer," <i>Institute for Liquid Atomization and Spray Systems, ILASS Americas</i> '97, pp. 261-265, Ottawa, ON, Canada, May 18-21, 1997.			

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